

CDC Update

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CLIAC Meeting

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The findings and conclusions in this report are those of the author and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

Office of Surveillance, Epidemiology, and Laboratory Services

Laboratory Science , Policy and Practice Program Office



**CLINICAL LABORATORY
INTEGRATION INTO HEALTHCARE
COLLABORATIVE (CLIHC)TM**

Clinical Laboratory Integration into Healthcare Collaborative (CLIHC)TM Project Update

❑ Clinician Test Selection and Result Interpretation

- Survey of clinicians' challenges
- Diagnostic algorithms
- Nomenclature
- Interventions in test selection and results interpretation

❑ Medical School Education

- Survey of US medical schools
- Clinical pathology residency education

❑ Organizational Collaborations

- CAP Transformation Team
- ASCP Institute
- Annual Conference Presentations

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Survey of Clinicians' Challenges

- ❑ **Focus groups' manuscript drafted (AJCP)**
- ❑ **National Survey Family Physicians & Internal Medicine Physicians**
- ❑ **Questionnaire section headings**
 - Test Ordering: Uncertainty, Influences, Challenges
 - Result Interpretation: Uncertainty, Challenges
 - Test Utilization Enablers (e.g. test selection and result interpretation aides)
 - Laboratory Consultation Practices
 - New Test Awareness
 - Diagnostic Evaluation Processes
 - Practice Characteristics
 - Demographic Information

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Survey of Clinicians' Challenges

❑ Preliminary Results

- 1,000 respondents (67% of target response) as of 1/29/12
- Physicians typically order a panel of 20 tests
- Ask laboratory professional vs specialist
 - Ordering uncertainty 51% vs 72%
 - Interpretation uncertainty 26% vs 66%
- How helpful is laboratory consultation
 - Assistance with sample collection – 67% helpful
 - Assistance with test ordering – 37% helpful
- Use electronic resources 42% (extremely well)
- Access and utilize laboratory professionals 6% (extremely well)

❑ Expect final results spring, 2012

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Clinician Test Selection and Result Interpretation

□ Diagnostic algorithms

- For evaluating patients with prolonged Partial Thromboplastin Time
- Manuscript submitted, Journal of Hematology, 1/27/2012
- CDC Innovations Award
 - Launched prototype app for smart-phones
 - Usability survey incorporated into app
 - Beta test in progress
 - Pilot results expected mid-2012
 - Exploring options for evaluating the effect of app use on patient care

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Clinician Test Selection and Result Interpretation

□ Test nomenclature

- Addressing complexity of laboratory nomenclature
- Publication to raise awareness of issue submitted to Journal of General Internal Medicine
- Investigating search technology tools alternatives to standardization

□ Evaluation of Interventions in Test Selection and Result Interpretation (ITSRI)

- Identified potential healthcare partners for investigating errors in test utilization

CLIHCTM - Medical School Education

❑ Survey of US Medical Schools

- Raise awareness of gaps in laboratory medicine training
- Yale School of Medicine leading survey
 - Expect results early spring 2012

❑ Clinical Pathology Residency Education

- Establish the nature and amount of clinical consultation education provided to clinical pathology residents
- Results published in CAP Today in August¹

¹**Robert D. Hoffman, MD, PhD** (August 2011). In CP training, are we teaching consultation? *CAP Today*. <http://tinyurl.com/3lg23h5>

CLIHCTM Organizational Collaborations/Activities

❑ CAP Transformation Team

- Preliminary discussions for determining options for collaboration

❑ ASCP Institute

- Potential for partnering in education and conducting studies

❑ COLA – 2011 Annual Symposia

- Presentations on CLIHCTM activities at both Spring & Fall Symposia

❑ AACC – 2011 Annual Conference

- Symposium on CLIHCTM activities (Drs. Laposata and Meisel and Mr. Epner)

❑ ASCLS – 2011 Annual Conference

- Opening address on CLIHCTM activities (Drs. Laposata and Meisel)

❑ CLMA – 2011 Annual Conference

- Symposium on CLIHCTM activities (Dr. Taylor and Ms. Passiment)